

## I CLAIM

1. In a bandsaw machine with a double-edged saw-toothed bandsaw blade with uniformly consistent tooth spacing; a blade guide device, usually used in pairs to bracket a work piece, comprising:

a blade guide bracket assembly with adjustable means to support two radially opposed thrust rollers in a plane parallel to the plane of the workpiece kerf;

said blade guide bracket assembly with adjustable means to support two radially opposed pinch rollers in a plane perpendicular to the plane of the workpiece kerf;

said blade guide bracket assembly having adjustable means to attach same to a bandsaw.

2. The blade guide assemblies of Claim 1 wherein said roller assemblies are arranged around said saw-toothed blade in pairs which are functionally designated as:

pinch roller assemblies which serve to prevent sideways deflection and twisting of the blade by radially opposing each other on a plane perpendicular to the plane of said blade's kerf and separated by the flat surfaced thickness of said blade; and,

thrust roller assemblies which serve to prevent forward or backward deflection of said blade by radially opposing each other on a plane parallel to the plane of said blade's kerf and separated by the tooth-edged width of said blade.

3. The blade guide thrust roller assemblies of Claim 2 comprising:

said thrust rollers wherein the blade's teeth are held apart from said roller while the blade's gullets are supported against said rollers by a circumferentially arrayed series of cogs corresponding to said gullets;

said thrust rollers wherein said cogs and indentations are impressed into an elastic substance by compression as the teeth of said saw blade are driven under increasing pressure through said rollers; and,

said thrust rollers affixed to radial bearings and rotatably mounted to said blade guide bracket of Claim 1.

4. The thrust roller assemblies of Claim 3 wherein:

the elastomer thickness of said roller is greater than the depth of said saw blade's gullets and sufficient to prevent the tips of said saw teeth from touching the circumference of said bearing within; and,

said roller's only substantial point of contact with the blade is at the blade's gullets.

5. The thrust roller assemblies of Claim 3 wherein said thrust rollers have indentations arrayed circumferentially along the centerline of said rollers corresponding in size and shape to the teeth of said blade; such that as said driven blade travels tangentially along said thrust rollers' circumferences, said rollers mesh synchronously